

**2003 CMAQ ANNUAL REPORT**  
**ARIZONA - MARICOPA COUNTY NONATTAINMENT AREA**  
**SUMMARY OF CMAQ OBLIGATED IN FEDERAL FY 2003**

						Estimated Emission Reductions (kg/day)		
Category	MAG Project Number	Federal Number	Project Description	Federal Amount Programmed	CMAQ Funds Obligated in FY 2003	CO	VOC	PM-10
Public-Private Partnerships			(None)					
Experimental Pilot Projects								
1		900A063 (part)	Video Conferencing		\$450,000	1.15	0.06	0.08 <b>A</b>
Experimental Pilot Projects Total					\$450,000	1.15	0.06	0.08
Transit								
2	PHX03-110T	999A011 (part)	Purchase Bus: Standard - 4 replace		\$1,207,040	2.66	0.34	0.14
3	PHX03-913T	999A011 (part)	Purchase Bus: Standard - 6 replace		\$1,865,000	3.99	0.51	0.21
4	VMR03-302T	999A011 (part)	Regional Rail Development - final design/engineering for the 20.3 mile minimum operating segment.		\$5,115,578	7.65	1.28	2.27
Transit Total					\$8,187,618	14.30	2.13	2.62
Shared Ride								
5	MAG03-910; MAG03-910A	900A063 (part)	Regional Rideshare Program		\$560,368	3784.09	489.43	830.83 <b>B</b>
6		900A063 (part)	Park-and-Ride Implementation		\$2,044	0.002	0.000	0.001
7	PHX03-211TRX	999A011 (part)	SR 51 and Bell Road - Repayment of advance design for Regional Park-and-Ride		\$212,426	0.51	0.09	0.15
8	RPT03-108T	999A011 (part)	Purchase Bus: less than 30 foot - 22 expand (vanpool vans)		\$594,000	32.34	4.64	7.08

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9	SCT03-201T	999A011 (part)	Loop 101 and Scottsdale Road - Pre-design Regional Park-and-Ride		\$131,127	0.40	0.07	0.12
10	TMP03-201T	999A011 (part)	Loop 101 and Apache Road - Pre-design Regional Park-and-Ride		\$131,127	0.63	0.11	0.19
Shared Ride Total					\$1,631,092	3817.97	494.34	838.37
<b>Traffic Flow Improvements</b>								
11		900A063 (part)	Freeway Service Patrol		\$2,158	1261.14	100.09	0.00
12		900A063 (part)	Traffic Signal Synchronization		\$2,022	0.08	0.01	0.00
13		051A003	SR 51: Jct Interstate-10 to Shea Boulevard - Construction of High Occupancy Vehicle lanes for 9.2 miles		\$17,646,401	17,043.25	1592.96	-7.49 C
14	CHN07-302	CHN0023	Dobson Rd & Warner Rd (phase 1 of 2) - Widen for dual left turns and add auxillary lanes in all directions	\$612,900	\$612,900	1.52	0.22	0.01
15	GLN03-316	GLN0025	Cardinals/Coyotes complex: Design of area ITS traffic management facilities	\$190,000	\$190,000	719.52	0.00	7.85
16	GLN03-315	GLN0026	Cardinals/Coyotes complex: Purchase four ITS trailers for area traffic control	\$340,000	\$340,000	12.27	0.00	0.94
17	MES03-121D	MES0025	Broadway Road: Center to Recker Road - Design smart corridor traffic control system for approx. 7.5 miles	\$280,000	\$280,000	82.65	10.18	1.17
18	PVY05-101C	PVY0001	Tatum Boulevard at McDonald Drive -Realign intersection	\$1,800,000	\$2,200,000	1.23	0.15	0.02
19	SCT01-003	SCT0013	Install fiber optic hardware and close circuit TV cameras and connect to AzTech system at various locations for a distance of 2.5 miles	\$780,000	\$780,000	17.99	1.02	-1.42 D
Traffic Flow Improvements Total					\$22,053,481	19,139.65	1704.63	1.08

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<b>Demand Management</b>								
20	MAG03-143; MAG03-140; MAG03-114	900A063 (part)	Ozone Education Program, Telework Outreach Program, Travel Reduction Program, Trip Reduction Program		\$1,202,983	3351.47	433.47	735.84 <b>B</b>
<b>Demand Management Total</b>					<b>\$1,202,983</b>	<b>3351.47</b>	<b>433.47</b>	<b>735.84</b>
<b>Pedestrian/Bicycle</b>								
21	MAG03-115; MAG03-912	900A063 (part)	Pedestrian Design Assistance		\$450,000	3.27	0.39	0.36
22	TMP05-270	060C011	US 60 at Country Club Way: Construct multi-use path bridge		\$1,250,000	4.39	0.55	0.45
23	CHN06-216D	CHN0024	Western Canal: Price Road to Hamilton Street design 3.3 miles of multi-use path	\$254,044	\$254,044	9.25	1.05	1.06
24	GLN03-104	GLN0022	55th Avenue at Marshall Elementary School: Design and Construct multi-use path across Thunderbird Park diversion channel.	\$282,400	\$282,400	0.09	0.01	0.01
25	PVY06-201D	PVY0002	Lincoln Drive: 32nd Street to Invergordon design 4 miles multi-use path on south side	\$100,000	\$100,000	3.89	0.49	0.40
26	PEO02-005D2	PEO0007	New River Road: Northern Avenue to Peoria Avenue design multi-use path and underpass	\$100,000	\$100,000	0.08	0.01	0.01
<b>Pedestrian/Bicycle Total</b>					<b>\$2,436,444</b>	<b>20.97</b>	<b>2.5</b>	<b>2.29</b>

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Other TCMs								
27	MAG03-018R	900A063 (part)	PM-10 Efficient Street Sweepers		\$3,468,892	0.00	0.00	8779.00 E
28		900A063 (part)	Regional System Planning		\$117,903	69.50	6.96	43.39
29		900A063 (part)	Air Quality Public Involvement		\$2,000	1.18	0.12	0.74
30	AVN03-112S	AVN0003	Pave Dirt Roads in Las Ligas Neighborhood including Sidewalks, Curb, and Gutter	\$1,336,619	\$1,336,619	0.00	0.00	837.93
31	PHX02-105R	PHX0044	Pave 48 miles Bituminous Surface Treatment dirt roads	\$1,660,000	\$1,660,000	0.00	0.00	4128.70
32	MMA03-006	MMA0027	Paving 13.99 miles of dirt roads at various locations	\$3,077,500	\$2,147,500	0.00	0.00	1124.00
Other TCMs Total					\$8,732,914	70.68	7.08	14,913.76
Grand Total					\$44,694,532	26,416.19	2,644.21	16,494.04
Endnotes								
<b>A</b> : MAG Regional Videoconferencing System data for federal fiscal year 2003 was used to calculate the estimated emission reductions.								
<b>B</b> : Emission reductions are based on data from the 2001 TDM Annual Report or Maricopa County Trip Reduction Program data.								
<b>C</b> : Based on the CMAQ Methodology, for this project an increase in VMT and speed occurs. The higher VMT results in an increase of reentrained fugitive dust.								
<b>D</b> : Based on the CMAQ Methodology, the rerouting that occurs with incident management increases VMT and speed. Higher VMT increases reentrained dust.								
<b>E</b> : Emission reductions have been calculated from projected usage as reported by entities from the Prioritized List of Proposed PM-10 Certified Street Sweeper Projects for FY 2003 CMAQ Funding.								